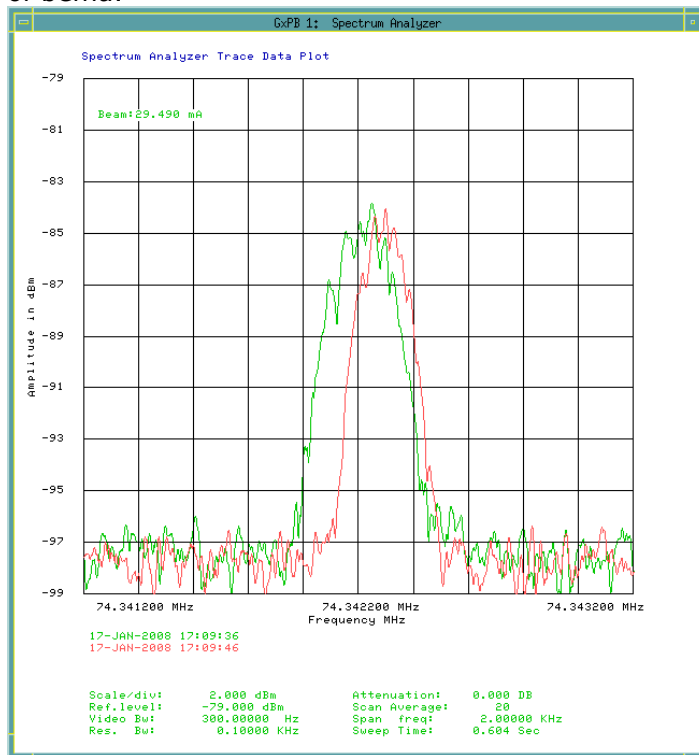


2008-01-23 Pbar Department Meeting

Thursday, January 24, 2008
12:56 PM

- Went over details of furlough.
 - Requests
 - **Unpaid Furlough** and **Vacation** requests for the months of February and March need to be turned in by late Monday
 - Tuesday/Wednesday will go over the requests
 - Most Spring Breaks are the week of March 24 – will have to “draw straws” if have too many people requesting that week
 - If still doing furloughs, requests for April/May will be needed by mid March
- Environmental Controls
 - Investigation has been requested by DoE and is being done by J. Anderson
 - If there are any problems/comments contact D. Sigmon
 - Repair of coils will take awhile
- Performance
 - Pelletron problems, large stacks
 - Doing Ok
 - Problems
 - A:IB - ground water to bus.
 - Drf1-7 - ENI blowing fuses. Replaced ENI, blew fuse again.
 - Large stacks, ran the flusher ran -
 - AP3 optics change
 - Emittances seem about the same
 - Horizontal quad oscillation maybe less
 - Transfer efficiency maybe slightly better?
- Debuncher Momentum Cooling.
 - Kept doing the same measurements over and over, since kept finding things wrong.
 - <http://www-bd.fnal.gov/cgi-mach/machlog.pl?nb=pbar08&action=view&page=23&load=>
 - Measured TF on momentum system twice in the last few months.
 - In order to measure the momentum system, have to have some momentum cooling on. If not beam would lose energy and smear out.
 - Bypass filter...can use one band to cool while measuring other bands
 - Store beam with new aggregate., but while stored beam. Monitored long distribution of beam.

of bema.



Pasted from <<http://www-bd.fnal.gov/cgi-mach/machlog.pl?nb=pbar08&action=view&page=-271&button=yes&invert=yes>>

- Green start of measurement, red at end...it wanders back and forth by a significant fraction of its width during the course of measurement.
- Bottom line - we are not happy with new data....
- Thought variation was due to pulse to pulse variations in beam to target
- Aggregate allowed to store beam for more than an hour....lifetime in debuncher ok.
- Most of measurements on the same shot of beam.
- Problem is more significant than pulse to pulse variation.
- In order to do more routine phase measurements, need to fix it.
- Has to do with regulation of oven temp. - can improvements be made in this?
- Have a new set of measurement
- TFM of
 - Every input leg
 - Several combos of input legs.
- May be things to do with some measurements that we have.
- This variation, corresponds to +/- 0.25 def F.
- This point and time, not ready for further measurements....not ready to make any changes....
- Will have another stacking team meeting early next week.
- Didn't get a change to characterize existing systems...1 hour study with 4 or longer second cycle time. Look at one band at a time, so would compromise stacking. Next week.
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